

# PicoStream

The New Fish Friendly Hydropower Generator

## BENEFITS

- Fish Friendly
- Up to 1kW of reliable power generation
- Quick and Easy to install
- Affordable
- Produces electricity 24 hours a day
- More consistent power than solar and wind!
- Suitable for Homes or Businesses
- Low maintenance
- Easy to transport
- Very small footprint (3 square metres)
- Only needs 0.5m of water drop height



## More reliable and consistent than Solar panels or Wind turbines

### Weir/Sluice



- Only needs 0.5m Drop in water height (head)
- Channel width 1.3 metres minimum
- Suitable water flow rate

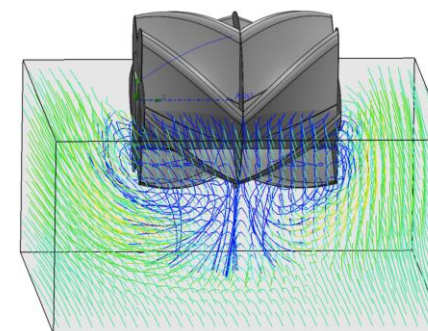
### Fast Water Channel



- Fast flowing water (1.8m/s velocity min)
- Zero drop in water required
- **Turbine floats on water**
- Channel depth 0.6m minimum
- Channel width 1.3 metres minimum
- Suitable mounting/attachment point(s)

## Economic & Environmental Benefits

- **Friendly to Fish**
- Does not require any major construction works
- No major Environment Agency Licensing required
- **Easy to transport and install**
- Fits into existing water channels (weirs/sluices)
- Produces electricity during day and night
- Can charge a battery bank for off-grid power
- **Fantastic 'peace of mind' back-up generator in bad weather**
- Small physical footprint – Only 3.25sqm or less
- Can charge Electric vehicles
- **Can significantly reduce your winter electricity usage**
- Adds value to your property
- **Superior financial returns than a 6kW solar array!**
- Can replace a small diesel generator
- Hit your Net Zero Carbon targets or reduce your carbon footprint
- Great ethical investment



**How a 600 Watt PicoStream Turbine produces  
the same amount of electricity as a 5kW Solar  
Panel Array Or a 2kW Wind turbine!**

	PicoStream	Solar	Wind
System Power	600 Watts	5kW	2kW
Efficiency Factor	85%	10%	25%
Annual System Power Output (kWh)	4,468	4,380	4,380
Daily System Output (kWh)	12.2	12	12
Physical Space Required (sq metres)	3	32+	20+